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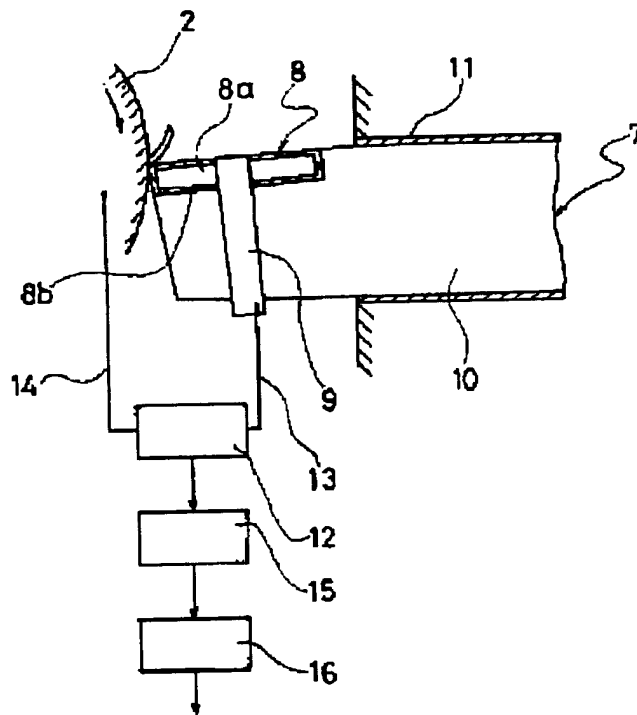
APPLICATION DATE : 12-04-93
APPLICATION NUMBER : 05108953

APPLICANT : AGENCY OF IND SCIENCE &
TECHNOL;

INVENTOR : MIYAZAWA SHINICHI;

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TITLE : TOOL ABRASION QUANTITY
DETECTING METHOD AND DEVICE
THEREOF



ABSTRACT : PURPOSE: To provide a tool abrasion quantity detecting method and a device thereof by which detection is attained with a tool ordinarily used in a wide range and in which measurement of electric resistance change is applied as a principle.

CONSTITUTION: An electric resistance meter 12 is provided for measuring an electric resistance value between a workpiece 2 and a base metal 8a of a tip 8 in which an insulating coating film 8b is formed on a surface of the base metal 8a. Decrease of electric resistance in compliance with increase of contact quantity between the workpiece 2 and the base metal 8a of the tip 8 due to abrasion of a tool 7 is measured with the electric resistance meter 12 so as to detect an abrasion quantity of the tip 8.

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